Index of Claims

Application/Control No.

10/521,251

Date

Examiner

Lynda M. Salvatore

Applicant(s)/Patent under Reexamination

HAMANO ET AL.

Art Unit

1771

| √ | Rejected |
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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| Cla      |  | Date   |              |                |  |  |          |  |              |          |  |  |
| Final    | Original   | 3/14/07  |              |                |  |  |          |  |              |          |  |  |
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|          | 8  | W  | _            | _              |  | L  |          | <u> </u>   |              |          |  |  |
|          | 9  | -  | _            | _              |  | <u> </u>   |          |  | L            | _        |  |  |
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|          | 17   | 1  | $\vdash$     | <del> </del> — | _  | <u> </u>   |          |  | <u> </u>     | Н        |  |  |
|          | 12   | $\vdash$   | <del> </del> | $\vdash$       | $\vdash$   | <u> </u>   |          | -  | ⊢            | Н        |  |  |
|          | 14   | ├  | ├            | ├              |  | -  | $\vdash$ | ├  | ├-           | Н        |  |  |
|          | 15   | -  | $\vdash$     | $\vdash$       | <del> </del> -                                   | <del>                                     </del> | $\vdash$ |  | ├            | $\vdash$ |  |  |
|          | 16   | ⊢  | <del> </del> |                | $\vdash$   |  | $\vdash$ |  | ⊢            | $\vdash$ |  |  |
|          | 17   | ├-   | $\vdash$     |                | -  |  |          |  | ┝            | H        |  |  |
|          | 18   | ┢  |              | -              | <del>                                     </del> |  | _        |  | -            | Н        |  |  |
|          | 19   | <del>                                     </del> |              |                | ┢  |  |          | -  | -            |          |  |  |
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|          | 22   | I  | _            |                |  |  |          | $\vdash$   |              | П        |  |  |
| -        | 23   |  |              |                |  |  |          | $\vdash$   |              |          |  |  |
|          | 24   |  |              |                |  |  |          |  |              | П        |  |  |
|          | 25   |  |              |                |  |  |          |  |              | П        |  |  |
|          | 26   |  |              |                |  |  |          |  |              |          |  |  |
|          | 27   | <u> </u>   |              |                | L  |  |          |  |              |          |  |  |
|          | 28   |  |              |                |  |  | <u> </u> |  |              |          |  |  |
|          | 29   |  |              |                |  |  |          |  |              |          |  |  |
|          | 30   |  |              |                |  |  |          |  |              | Щ        |  |  |
|          | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36 |  | ļ            | L_             | <u> </u>   |  | <u> </u> |  | <u> </u>     | Ш        |  |  |
|          | 32   | H  | <u> </u>     | <u> </u>       | <u> </u>   |  | <u> </u> |  | <u> </u>     | Ш        |  |  |
|          | 34   |  | <u> </u>     | ┝              | <u> </u>   |  | <u> </u> | <del>  -</del>                                   |              | $\vdash$ |  |  |
|          | 35   | $\vdash$   | <u> </u>     | <del> </del>   | <del> </del>                                     |  |          | ├-   | $\vdash$     | Н        |  |  |
|          | 36   | ├-   | $\vdash$     |                | -  |  | $\vdash$ | $\vdash$   | <del> </del> |          |  |  |
|          | 37   | H  | <u> </u>     | <del> </del>   | $\vdash$   |  |          | $\vdash$   | $\vdash$     | Н        |  |  |
|          | 38   | H  | $\vdash$     | $\vdash$       | -  | $\vdash$   | $\vdash$ | -  | <del> </del> | Н        |  |  |
|          | 38<br>39   | $\vdash$   | H            | ┢╌             | $\vdash$   | Н  | $\vdash$ | -  | <del> </del> | Н        |  |  |
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|          | 41   |  | Ι            |                |  |  |          | <del>                                     </del> |              | Н        |  |  |
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|           | Original | 3/14/07  |          |  |              |  |              |          |          |  |     | Final  | Original |                 |               |          |    |          |          |   |          |               |
|           | 1        | Y        |          |  | -            | _  |              |          | -        | $\vdash$   | 1 1 |        | 51       | Н               |               |          |    |          |          | _ |          | $\vdash$      |
|           | 1        | 1        | $\vdash$ | <del>                                     </del> |              |  | _            | <u> </u> |          |  |     |        | 51<br>52 | H               |               |          | -  |          | _        |   | Н        | $\dashv$      |
|           | 3        | $\vdash$ | $\vdash$ | -  | ⊢            |  | $\vdash$     | -        | _        |  |     |        | 53       | Н               |               |          |    |          | $\vdash$ | _ | $\vdash$ | $\dashv$      |
|           | 4        | V        | -        |  | $\vdash$     | ├  |              | $\vdash$ |          | -  |     |        | 53       | Н               |               |          | _  |          |          | _ |          | $\vdash$      |
| -         | -        | 7        | _        |  | -            |  | _            | ┝        | _        | -  |     |        | 54       |                 | _             |          | _  |          | _        |   | -        |               |
| $\dashv$  | 5        | +        | _        | ├—   | <del> </del> | -  | ├—           | L        |          |  |     | _      | 55       | Н               | _             |          | _  | _        | _        |   |          | Щ             |
| -         | 6<br>7   | H-       |          | <u> </u>   |              | -  | <u> </u>     | <u> </u> | <u> </u> | <u> </u>   |     |        | 56       |                 | _             |          | _  |          |          |   |          |               |
| $\dashv$  |          | ₩        | -        | <u> </u>   | _            | <u> </u>   |              |          |          | <u> </u>   |     |        | 57       |                 |               |          |    |          |          | _ |          | Ш             |
| $\dashv$  | 8        |          | _        | _  |              | L  | <u> </u>     |          |          | _  |     |        | 58       |                 |               |          |    |          |          |   |          | Ш             |
| _         | 9        | 7        | _        |  | L.           | L  |              |          | L.       | _  |     |        | 59       |                 | $\Box$        |          |    |          |          |   |          |               |
| _         | 10       | \        | _        | _  | _            |  | <u> </u>     |          |          |  |     |        | 60       |                 |               |          |    |          |          |   |          |               |
| _         | 11       | 1        |          | _  | L            |  |              |          |          |  |     |        | 61       |                 | $\Box$        | _        |    |          |          |   |          |               |
| _         | 12       |          | _        |  |              | L  | _            |          |          |  |     |        | 62       |                 |               |          |    |          |          |   |          |               |
|           | 13       |          |          |  |              |  |              |          |          |  |     | ]      | 63       |                 |               |          |    |          |          |   |          |               |
| _         | 14       |          |          |  |              |  | L            |          |          | <u> </u>   | 1   |        | 64       |                 |               |          |    |          |          |   |          |               |
|           | 14<br>15 |          |          |  |              |  |              |          |          |  |     |        | 65       |                 |               |          |    |          |          |   |          |               |
|           | 16       |          |          |  |              |  |              |          |          | L  |     |        | 66       |                 |               |          |    |          |          |   |          |               |
|           | 17       |          |          |  |              |  |              |          |          |  |     |        | 67       |                 |               |          |    |          |          |   |          |               |
|           | 18       |          |          |  |              |  |              |          |          |  |     | Ī      | 68       |                 |               |          |    |          |          |   |          |               |
|           | 19       |          |          |  |              |  |              |          |          |  |     |        | 69       |                 |               |          |    |          |          |   |          |               |
|           | 20       |          |          |  |              |  |              |          |          |  |     |        | 70       |                 |               |          |    |          |          |   |          |               |
|           | 21       |          |          |  |              | _  |              |          |          |  |     |        | 71       |                 |               |          |    |          |          |   |          |               |
| T         | 22<br>23 |          |          |  |              |  |              |          |          |  |     |        | 72       |                 |               |          |    |          |          |   |          |               |
|           | 23       |          |          |  |              |  |              |          |          |  |     |        | 73       |                 | $\neg$        |          |    |          |          |   |          |               |
|           | 24       |          |          |  |              |  |              |          |          |  |     |        | 74       |                 |               |          |    |          |          |   |          |               |
|           | 25<br>26 |          |          |  |              |  |              |          |          |  |     |        | 75       |                 | $\neg$        |          |    |          |          |   |          | $\neg$        |
|           | 26       |          |          |  |              |  |              |          |          |  |     |        | 76       |                 | ヿ             | $\neg$   |    |          |          |   |          |               |
| Ī         | 27       |          |          |  |              |  |              |          |          |  |     |        | 77       |                 |               |          |    |          |          |   |          | $\neg$        |
|           | 28       |          |          |  |              |  |              |          |          |  |     |        | 78       |                 | 寸             | $\neg$   |    |          |          |   |          | $\neg$        |
| T         | 29       |          |          |  |              |  |              |          |          |  |     |        | 79       |                 |               |          |    |          |          |   |          | $\neg$        |
|           | 30       |          |          |  |              | _  |              |          |          | $\vdash$   |     |        | 80       |                 |               |          |    | _        |          |   |          | 一             |
|           | 31       |          |          |  |              |  |              |          |          |  | Ì   |        | 81       | $\Box$          | $\neg$        |          |    |          |          |   |          | 一             |
|           | 32       |          |          |  |              | Г  |              |          |          |  |     | 1      | 82       |                 | $\neg$        | $\neg$   | _  |          | _        |   | $\neg$   |               |
| 一         | 33       |          |          |  |              |  |              | _        |          |  | Ì   |        | 83       |                 | $\neg$        | $\neg$   |    |          | _        |   |          | $\neg$        |
| $\neg$    | 34       |          |          |  |              |  |              |          |          |  |     |        | 84       |                 | $\neg$        |          |    |          |          | _ |          | $\neg$        |
| 目         | 35       |          |          |  |              |  |              | _        |          |  | Ì   |        | 85       |                 | $\neg$        | $\neg$   |    |          |          |   |          | $\neg$        |
|           | 36       |          |          |  |              |  |              |          |          |  |     |        | 86       | Ħ               | 寸             | $\neg$   |    |          |          |   |          |               |
| 一         | 37       |          |          |  |              |  |              |          |          |  | Ì   |        | 87       |                 | $\neg$        | $\neg$   |    | _        |          |   |          |               |
| コ         | 38       |          |          |  |              |  |              | П        | _        |  |     |        | 88       |                 | $\overline{}$ |          |    |          |          | - |          |               |
| ヿ         | 39       |          |          |  |              |  |              |          |          | <u> </u>   | Ì   |        | 89       |                 | $\neg$        |          |    |          |          | _ |          | $\overline{}$ |
| 寸         | 40       |          |          |  |              |  |              |          |          |  |     |        | 90       |                 | $\dashv$      |          |    |          | _        |   |          |               |
|           | 41       |          |          |  |              |  |              |          |          |  | li  |        | 91       |                 | $\neg$        | $\dashv$ |    |          |          |   | _        |               |
| T         | 41<br>42 |          |          |  |              |  |              | _        |          |  |     |        | 91<br>92 |                 | $\dashv$      | $\neg$   |    |          |          |   |          | _             |
| T         | 43       |          |          |  |              |  |              |          |          | _  | li  |        | 93       |                 | $\dashv$      | $\neg$   |    |          |          |   |          |               |
|           | 44       |          |          | П  |              | П  |              | П        | $\neg$   |  |     |        | 94       | $\vdash$        | $\dashv$      | $\dashv$ |    | $\vdash$ |          |   | $\vdash$ |               |
| $\exists$ | 45       |          |          |  |              |  |              |          |          | Т  |     |        | 95       |                 | $\dashv$      | $\dashv$ | _  |          |          |   |          | $\neg$        |
|           | 46       |          |          | П  |              | <del>                                     </del> |              |          |          | $\vdash$   |     | $\neg$ | 96       | $\vdash \vdash$ | $\dashv$      | $\dashv$ | -  | $\neg$   |          |   | $\vdash$ | $\vdash$      |
| $\dashv$  | 47       |          |          |  |              | Г  |              |          |          |  |     |        | 97       |                 |               | $\dashv$ | _  |          |          |   | $\vdash$ | $\neg$        |
| 寸         | 48       |          |          | Г  |              | П  |              |          |          | $\vdash$   |     |        | 98       | $\vdash$        | $\dashv$      | -        | _  |          | -        |   | $\dashv$ | H             |
| 7         | 49       |          |          |  |              |  |              |          | _        | $\vdash$   | ll  |        | 99       | $\vdash$        | $\dashv$      |          |    | $\dashv$ |          |   | -        | -             |
| $\dashv$  | 50       |          |          |  |              |  |              |          |          | <del>                                     </del> |     |        | 100      | $\vdash$        | $\dashv$      | -        |    | Н        |          |   | $\dashv$ | =             |
|           |          |          |          |  | <u> </u>     |  |              | ш        |          |  |     |        |          | ш               |               |          | L. |          |          |   |          |               |

| Cla  | aim   | Date      |          |          |                |          |          |          |              |                 |
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| Final  | Original                                      |           |          |          |                |          |          |          |              |                 |
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|  | 101   |           |          |          |                |          |          |          |              |                 |
|  | 102   |           |          |          |                |          |          |          |              |                 |
|  | 102<br>103                                    |           |          |          |                |          |          |          |              |                 |
| L  | 104   |           |          |          |                |          |          |          |              |                 |
|  | 105<br>106                                    | L         | <u> </u> | 匚        | <u> </u>       |          |          |          | <u>_</u>     |                 |
|  | 106   |           |          |          |                |          |          |          |              |                 |
|  | 107   |           | <u> </u> | L        |                |          | L        |          | <u> </u>     | Ш.              |
|  | 108<br>109                                    | L         | <u> </u> | <u> </u> |                |          |          |          | <u> </u>     | Ш               |
|  | 109   |           |          | _        | <u> </u>       |          |          |          |              |                 |
|  | 110   |           |          | _        | <u> </u>       |          | <u> </u> | _        | L_           |                 |
|  | 111   | <u> </u>  | <u> </u> | <u> </u> |                | _        | <u> </u> | <u> </u> | <u> </u>     | $\vdash$        |
|  | 112   | L         | <u> </u> | <u> </u> | <del> </del> — | <u> </u> |          | <u> </u> | ⊢            | $\vdash$        |
|  | 113   | H         | <u> </u> | <u> </u> | $\vdash$       |          | $\vdash$ | _        | <u> </u>     | Н               |
| <u> </u>   | 113<br>114<br>115                             | $\vdash$  | <u> </u> | $\vdash$ | $\vdash$       | $\vdash$ | $\vdash$ | -        | $\vdash$     | Н               |
|  | 116   | _         | <u> </u> |          | ┝              |          | -        |          | ├-           |                 |
|  | 116<br>117                                    |           |          |          | $\vdash$       |          |          |          | $\vdash$     |                 |
|  | 118   |           | $\vdash$ |          | $\vdash$       |          |          |          | <del> </del> |                 |
| <del></del> -                                    | 118<br>119                                    |           | $\vdash$ |          |                |          |          |          |              |                 |
|  | 120   |           |          |          |                |          |          |          |              |                 |
|  | 121<br>122<br>123                             |           |          |          |                |          |          |          |              | П               |
|  | 122   |           |          |          |                |          |          |          |              | П               |
|  | 123   |           |          |          |                |          |          |          |              |                 |
|  | 124<br>125<br>126<br>127<br>128<br>129<br>130 |           |          |          |                |          |          |          |              |                 |
|  | 125   |           |          |          |                |          |          |          |              |                 |
|  | 126   |           |          |          |                |          |          |          | <u>L</u>     |                 |
|  | 127   |           |          |          |                |          |          |          | L.           |                 |
|  | 128   |           |          | _        |                | _        |          | _        |              | Щ               |
|  | 129   |           | <u></u>  |          |                | _        |          | _        |              |                 |
|  | 130   |           |          | _        | _              |          | _        |          | _            | $\sqcup$        |
|  | 131   |           |          |          |                |          |          |          | _            | Н               |
|  | 132   |           |          | -        | H              |          |          | _        |              | Н               |
|  | 132<br>133<br>134                             | _         | H        |          |                |          |          |          | $\vdash$     | Н               |
|  | 135   |           |          |          | $\vdash$       | $\vdash$ | $\vdash$ |          | $\vdash$     | $\vdash$        |
| <del>                                     </del> | 135<br>136                                    | -         | H        |          |                | H        |          | H        | <u> </u>     | H               |
|  | 137   |           |          |          |                |          |          |          |              |                 |
|  | 137<br>138                                    |           | Т        |          |                |          |          |          |              | Н               |
|  | 139   |           |          |          |                |          |          |          |              | П               |
|  | 140   |           |          |          |                |          |          |          |              |                 |
|  | 141   |           |          |          |                |          |          |          |              |                 |
|  | 142   |           |          |          |                |          |          |          |              |                 |
|  | 143   |           |          |          |                |          | L.       |          | <u> </u>     | Ш               |
|  | 144   | $\square$ | <u> </u> | _        |                | _        |          |          | <u> </u>     | Щ               |
| L  | 145   |           | <u> </u> | <u> </u> | $oxed{oxed}$   | Ш        | <u> </u> | <u> </u> | <u> </u>     | Щ               |
|  | 146   |           | $\vdash$ |          | Н              |          | $\vdash$ | _        | _            | Щ               |
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| <u> </u>   | 148   |           | <u> </u> |          | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$ | <u> </u>     | Н               |
| <u> </u>   | 149   |           | H        |          | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | Н               |
|  | 150   | L         | L_       |          | L              |          | L        | <u> </u> | <u> </u>     |                 |